

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P318085

Luminaire Tested: **GAN-SA1C-740-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-740-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7267 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

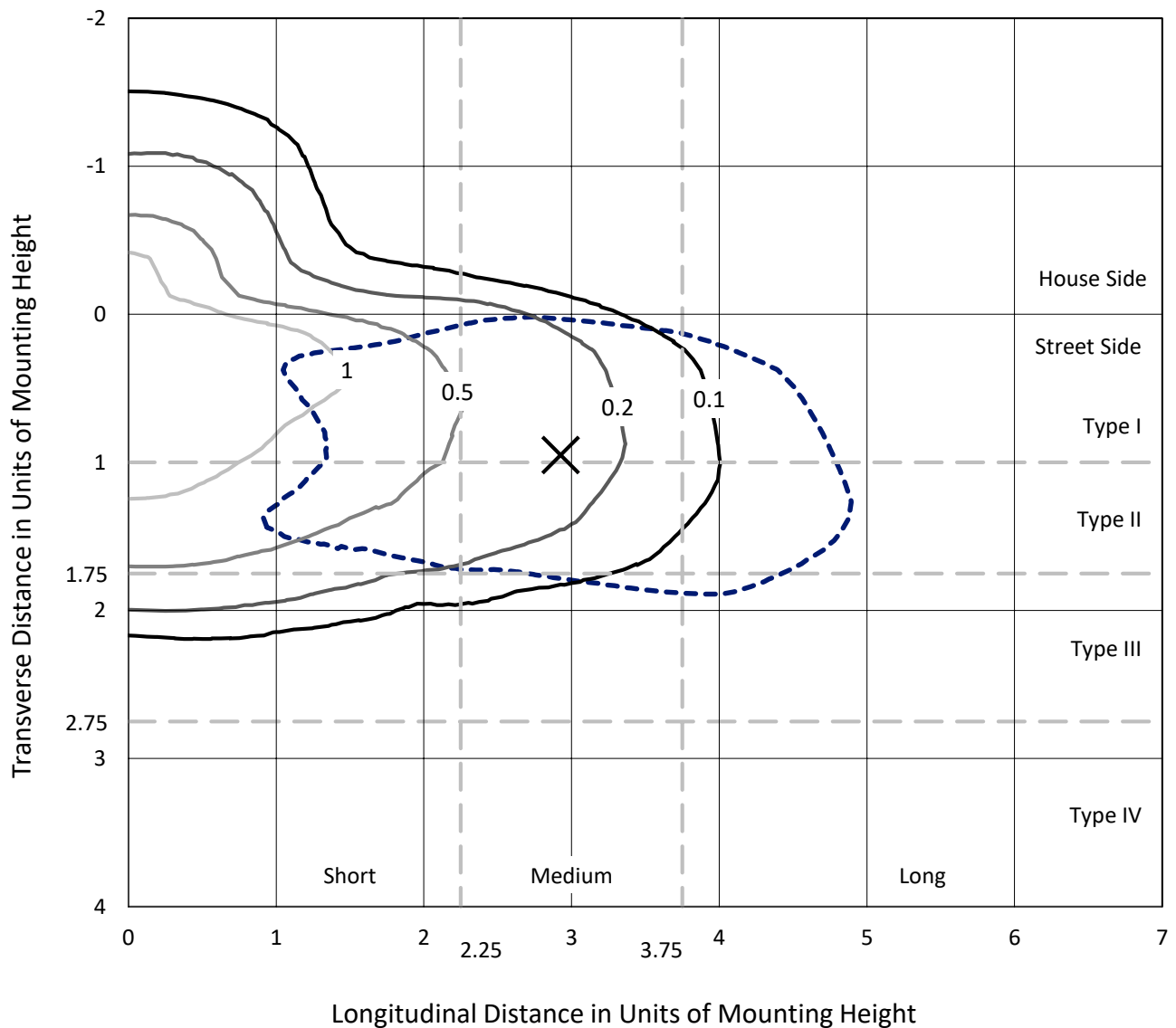
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318085
 CATALOG NUMBER: GAN-SA1C-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

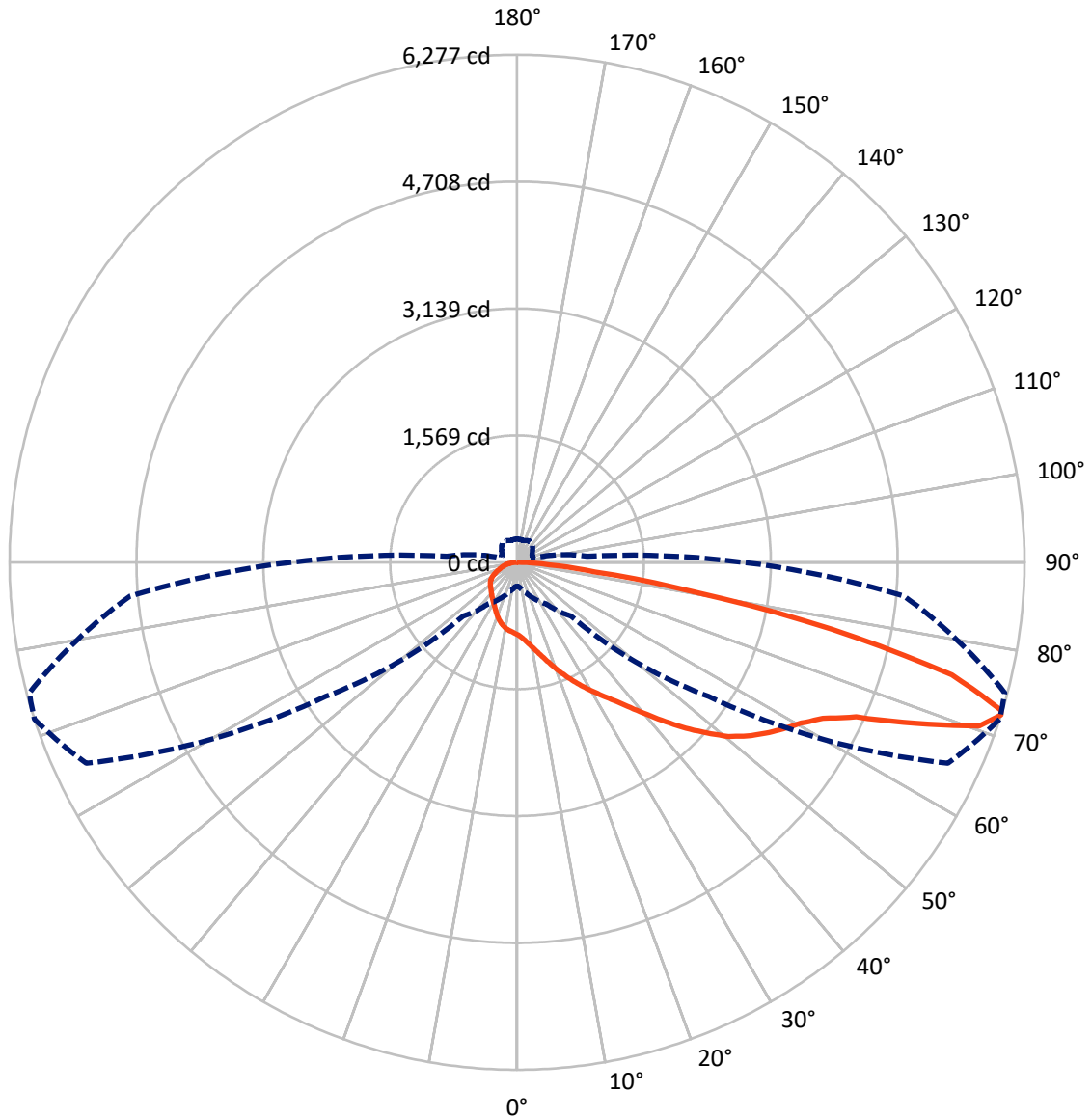
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

REPORT NUMBER: P318085
CATALOG NUMBER: GAN-SA1C-740-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P318085
 CATALOG NUMBER: GAN-SA1C-740-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1348.1	0.0	1348.1
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5918.9	0.0	5918.9
	% Fixture	81.4	0.0	81.4
Total	Lumens	7267.0	0.0	7267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	1.2
10°-20°	289.5	4.0
20°-30°	507.3	7.0
30°-40°	752.1	10.4
40°-50°	1100.1	15.1
50°-60°	1513.7	20.8
60°-70°	1685.2	23.2
70°-80°	1141.9	15.7
80°-90°	187.7	2.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7267.0	100.0
0°-180°	7267.0	100.0

Coefficient of Utilization

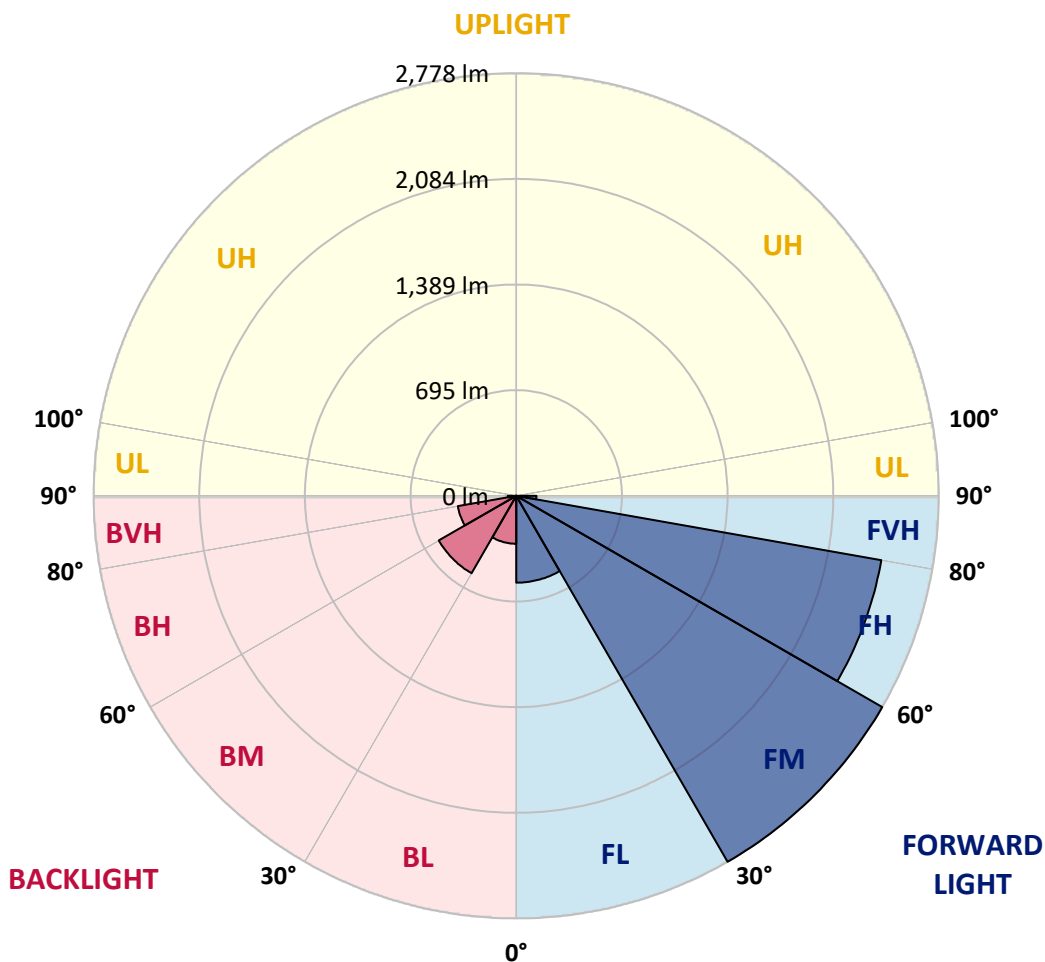


REPORT NUMBER: P318085
 CATALOG NUMBER: GAN-SA1C-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	571.2	7.9			
FM (30°-60°)	2778.3	38.2			
FH (60°-80°)	2437.0	33.5			G2/5000
FVH (80°-90°)	132.4	1.8			G2/225
BL (0°-30°)	315.1	4.3	B1/500		
BM (30°-60°)	587.6	8.1	B1/1000		
BH (60°-80°)	390.0	5.4	B1/500		G1/500
BVH (80°-90°)	55.3	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





REPORT NUMBER: P318085
 CATALOG NUMBER: GAN-SA1C-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0
2.5°	987.6	986.1	980.9	980.9	970.8	962.3	946.3	935.6	922.8	918.3	903.3
5°	1083.2	1083.7	1077.2	1072.7	1057.9	1039.9	1012.6	987.9	963.1	953.1	922.3
7.5°	1163.5	1162.5	1160.8	1157.0	1143.2	1124.7	1087.9	1051.2	1014.6	999.6	946.6
10°	1215.1	1217.3	1218.8	1220.6	1214.8	1201.5	1166.8	1122.0	1074.2	1053.7	975.6
12.5°	1241.1	1245.1	1252.1	1264.1	1273.6	1272.1	1246.8	1199.3	1142.5	1116.7	1011.9
15°	1256.3	1261.6	1272.6	1294.1	1320.9	1336.2	1329.4	1286.4	1223.1	1191.3	1056.2
17.5°	1265.9	1270.1	1287.1	1315.9	1355.7	1396.2	1414.0	1378.0	1314.1	1277.9	1107.0
20°	1272.4	1275.6	1296.9	1330.7	1382.2	1446.8	1496.3	1487.3	1414.5	1367.4	1160.0
22.5°	1286.9	1289.6	1309.9	1343.9	1401.0	1484.3	1575.6	1589.1	1520.3	1467.0	1216.8
25°	1327.4	1327.4	1344.4	1368.2	1421.7	1516.8	1642.7	1702.5	1628.4	1566.4	1269.4
27.5°	1404.7	1404.0	1410.2	1418.5	1459.0	1549.9	1702.5	1802.6	1740.5	1672.7	1320.4
30°	1496.3	1501.3	1502.1	1498.1	1517.1	1591.1	1757.8	1908.2	1853.4	1780.3	1372.7
32.5°	1614.2	1617.4	1613.7	1600.4	1597.6	1649.7	1812.1	2018.8	1975.5	1892.7	1420.5
35°	1763.8	1757.5	1745.8	1718.8	1693.0	1728.0	1874.1	2129.4	2112.6	2028.5	1486.3
37.5°	1924.2	1924.4	1909.9	1848.6	1813.1	1828.1	1959.7	2254.7	2278.5	2190.2	1570.6
40°	2052.8	2059.5	2068.6	1988.0	1941.9	1962.7	2068.6	2400.1	2474.7	2381.8	1680.5
42.5°	2142.6	2150.4	2175.9	2125.4	2077.6	2116.1	2196.7	2555.2	2694.9	2603.0	1809.1
45°	2237.7	2242.0	2260.0	2238.2	2207.7	2294.5	2341.0	2715.9	2927.8	2838.7	1953.0
47.5°	2337.8	2342.3	2360.8	2346.3	2330.3	2461.1	2491.7	2867.3	3151.0	3097.7	2106.6
50°	2461.4	2464.4	2481.9	2455.6	2460.6	2586.8	2626.3	3006.1	3385.0	3330.4	2260.7
52.5°	2630.0	2630.8	2655.1	2631.3	2607.8	2678.8	2742.1	3137.0	3568.4	3542.6	2414.9
55°	2762.2	2770.2	2849.7	2844.7	2831.2	2762.4	2839.0	3261.6	3732.0	3744.3	2578.5
57.5°	2677.8	2709.1	2870.3	2983.9	3094.5	2970.3	2969.8	3402.0	3884.1	3942.2	2758.4
60°	2345.3	2387.8	2625.3	2877.3	3223.3	3332.2	3241.6	3573.4	4037.8	4138.4	2983.9
62.5°	1675.0	1745.0	2066.8	2469.2	3046.7	3571.9	3794.6	3845.4	4246.7	4365.6	3276.9
65°	846.7	899.8	1169.5	1654.2	2434.1	3415.2	4395.6	4440.9	4609.8	4715.4	3728.0
67.5°	514.4	534.5	666.1	920.1	1492.3	2660.3	4591.8	5433.5	5312.4	5368.4	4371.3
70°	379.1	393.8	475.9	611.0	858.2	1561.1	3989.7	6141.9	6062.3	6056.0	4846.7
72°	295.3	306.0	378.6	493.7	627.5	936.6	2891.8	5880.4	6277.0	6245.5	4803.2
72.5°	280.0	289.5	355.6	464.7	593.0	849.0	2600.0	5704.0	6261.5	6247.2	4746.9
75°	220.4	227.2	263.2	359.3	464.2	481.7	1424.7	4420.4	5554.6	5785.6	4269.5
77.5°	182.4	183.4	202.4	261.5	361.8	340.5	699.9	3066.9	3977.5	4231.4	3024.4
80°	148.6	149.9	158.9	183.4	273.7	252.0	332.3	1763.5	2226.9	2229.7	1438.3
82.5°	118.4	118.6	128.6	134.1	196.7	180.2	190.4	828.0	973.1	936.1	517.0
85°	83.3	81.6	125.6	110.1	128.6	115.6	105.1	327.8	402.4	384.8	161.9
87.5°	27.8	28.8	55.8	71.3	75.1	65.6	46.8	125.6	151.9	150.6	51.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P318085
 CATALOG NUMBER: GAN-SA1C-740-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0	894.0
2.5°	898.5	890.5	878.8	865.8	855.5	845.0	837.2	833.2	828.7	825.0	829.5
5°	908.0	893.0	868.0	843.5	825.5	809.5	797.9	791.9	786.4	782.7	783.2
7.5°	923.6	899.3	857.2	821.5	796.4	779.2	767.4	763.4	759.9	758.9	760.2
10°	940.1	904.3	843.0	795.4	766.9	752.7	747.4	750.2	752.7	754.9	757.4
12.5°	958.8	908.8	822.2	764.9	740.6	735.1	740.4	752.4	761.2	766.4	769.7
15°	983.4	912.8	798.2	734.4	718.1	724.4	742.1	762.9	778.2	787.9	789.4
17.5°	1005.9	912.5	767.4	703.6	699.9	718.1	744.9	774.2	794.7	808.5	811.2
20°	1029.1	905.8	731.6	673.6	681.3	711.4	746.2	781.4	806.2	822.2	826.0
22.5°	1050.9	894.0	692.4	646.3	665.8	702.4	741.4	777.2	802.0	815.0	819.0
25°	1065.7	873.5	652.6	623.3	652.1	691.4	725.9	754.7	773.2	779.7	780.7
27.5°	1073.2	846.7	615.0	603.3	637.8	673.3	697.1	711.4	716.6	716.1	715.1
30°	1074.2	811.5	582.8	587.0	621.3	646.8	658.1	655.3	648.6	637.1	638.1
32.5°	1070.9	771.7	555.7	571.5	600.3	614.5	615.0	601.8	583.8	565.5	560.5
35°	1071.9	732.6	532.0	554.0	574.8	581.0	575.3	555.7	531.2	507.7	502.7
37.5°	1082.9	698.6	511.4	533.7	546.5	548.0	539.7	519.2	501.2	478.2	476.2
40°	1109.2	674.3	491.9	510.9	518.2	519.0	507.2	492.7	494.2	481.9	481.7
42.5°	1156.5	663.8	474.7	487.2	491.7	493.2	484.2	474.9	487.9	479.9	477.2
45°	1217.6	666.3	460.2	463.9	472.2	479.2	473.7	462.4	467.4	432.6	421.1
47.5°	1288.1	682.3	448.6	443.9	458.2	471.4	462.9	445.9	428.1	393.6	387.1
50°	1370.7	707.1	438.1	424.1	442.9	460.9	452.4	428.1	401.4	384.6	382.3
52.5°	1456.8	737.4	427.6	402.4	423.6	452.9	448.6	424.1	391.1	374.6	371.6
55°	1554.4	767.9	414.4	377.1	402.9	449.1	446.9	409.6	383.3	374.1	371.8
57.5°	1675.7	802.7	396.8	350.8	383.3	435.6	428.6	400.8	375.3	368.3	367.6
60°	1833.9	854.0	371.6	322.8	359.6	414.9	413.4	388.1	362.6	357.6	356.6
62.5°	2071.1	938.8	336.8	294.8	333.0	379.6	393.3	370.8	349.1	348.8	349.3
65°	2438.9	1066.4	299.0	270.2	306.3	349.8	370.1	353.1	335.3	340.3	341.0
67.5°	2865.3	1172.3	262.0	246.2	279.0	321.5	349.1	335.3	317.0	330.0	330.3
70°	3007.1	1077.7	229.5	222.4	250.7	294.3	326.3	315.8	297.3	310.3	309.0
72°	2798.4	870.0	208.4	204.4	229.5	271.7	306.0	297.5	279.2	288.0	284.7
72.5°	2732.6	829.5	203.2	199.9	223.7	266.0	300.8	293.0	274.7	282.2	279.2
75°	2437.6	720.4	174.7	175.4	195.2	238.0	271.2	268.7	250.0	250.7	249.7
77.5°	1768.0	528.2	147.1	152.1	166.1	209.2	241.5	240.0	219.4	215.7	214.9
80°	820.5	269.5	119.9	122.1	136.6	174.9	205.9	203.9	187.4	182.7	179.9
82.5°	281.0	128.1	90.1	91.6	105.8	140.9	178.7	177.4	163.6	154.4	148.6
85°	100.3	63.8	63.1	61.6	75.6	110.8	155.6	148.9	128.6	109.6	109.1
87.5°	32.5	27.3	32.5	32.3	44.0	75.1	113.1	96.3	93.3	77.6	76.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)